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10/533,643	10/21/2005	Pontus Wallentin	2380-888	6313

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EXAMINER

SMITH, SHEILA B

ART UNIT	PAPER NUMBER
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2617

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/533,643

Applicant(s)

WALLENTIN, PONTUS

Examiner

Sheila B. Smith

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Parmar et al. (U.S. Patent Number 6,725,039).

Regarding claim 1, Parmar et. al. discloses a node of a radio access network of a telecommunications system which prepares a message for transmission to at least one other node of the radio access network (which reads on column 1 lines 5-10), the message resulting from occurrence of a reset procedure affecting a control node which controls connections with user equipment units in a connected mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the message including an element which collectively indicates that a subset of the connections are to be released so that the user equipment units involved in the subset of the connections can return to an idle mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the element being recognizable when included in a further message received over an air interface by a user equipment unit having a connection in the

subset whereby the user equipment unit can determine if it is to return to the idle mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 2, Parmar et. al. discloses a node which prepares the message is a radio network control node which controls the connections (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 3, Parmar et. al. discloses a node performs plural processes with each of the plural processes handling a respective one of plural subsets of connections with user equipment units in the connected mode, and wherein when the reset procedure affects a specific one of the plural processes (which reads on columns 3 lines 53-67 through column 4 lines 1-55), an element corresponding to the respective one of the plural subsets of connections handled by the specific one of the plural processes is included in the message (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 4, Parmar et. al. discloses a element comprises a group identity for the subset of connections; wherein the group identity comprises a group value and a group bit mask index, wherein the group bit mask index indicates bits of the group value which are common for all connections of the subset of connections (which reads on columns 3 lines 53-67 through column 4 lines 1-55); and wherein the group value is a group S-RNTI and the group bit mask index indicates the bits of the group S-RNTI which are common for all connections of the subset of connections (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 5, Parmar et. al. discloses a further message is prepared by a drift radio network control node which provides radio resources for the connections handled by a serving radio network control node (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 6, Parmar et. al. discloses a element comprises a group identity for the subset of connections; wherein the group identity comprises group value, and a group bit mask index, wherein the group bit mask index indicates bits of the group value which are common for all connections of the subset of connections (which reads on columns 3 lines 53-67 through column 4 lines 1-55); and wherein the group value is a group U-RNTI and the group bit mask index indicates the bits of the U-RNTI value which are common for all connections of the subset of connections (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 7, Parmar et. al. discloses a serving control node which controls connections with user equipment units in a connected mode; at least one drift control node which provides radio resources in cells controlled by the at least one drift control node for some of the connections handled by the serving control node (which reads on columns 3 lines 53-67 through column 4 lines 1-55); wherein the serving control node sends a message for transmission to the at least one drift control node of the radio access network, the message resulting from occurrence of a reset procedure affecting the serving control node, the message including an element which collectively indicates that a subset of the connections are to be

released so that the user equipment units involved in the subset of the connections can return to an idle mode, the element being recognizable when included in a further message received over an air interface by a user equipment unit having a connection in the subset whereby the user equipment unit can determine if it is to return to the idle mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 8, Parmar et. al. discloses a at least one drift control node is arranged, upon receipt of the message, to send a response message to the serving control node (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 9, Parmar et. al. discloses a at least one drift control node sends the further message via a base station controlled by the at least one drift control node, the further message including a further element, the further element being derived from the element included in the message (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 10, Parmar et. al. discloses a further element comprises a group identity for the subset of connections; wherein the group identity comprises a control node identifier indicative of the serving control node, a group value, a group bit mask index, and wherein the group bit mask index indicates bits of the group value which are common for all connections of the subset of connections; and wherein the group value is a group U-RNTI and the group bit mask index indicates the bits of the U-RNTI value which are common for all

connections of the subset of connections (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 11, Parmar et. al. discloses a node of a radio access network of a telecommunications system which prepares a message for transmission to at least one other node of the radio access network, the message resulting from occurrence of a reset procedure affecting a control node which controls connections with user equipment units in a connected mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the method comprising including in the message an element which collectively indicates that a subset of the connections are to be released so that the user equipment units involved in the subset of the connections can return to an idle mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the element being recognizable when included in a further message received over an air interface by a user equipment unit having a connection in the subset whereby the user equipment unit can determine if it is to return to the idle mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 12, Parmar et. al. discloses a radio network control method which controls the connections to prepare the message (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 13, Parmar et. al. discloses a performing at the node plural processes with each of the plural processes handling a respective one of plural subsets of connections with

user equipment units in the connected mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55); when the reset procedure affects a specific one of the plural processes, including in the message an element corresponding to the respective one of the plural subsets of connections handled by the specific one of the plural processes (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 14, Parmar et. al. discloses a using a drift radio network control node which provides radio resources for the connections handled by a serving radio network control node to prepare the further message (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 15, Parmar et. al. discloses a method of operating a radio access network of a telecommunications system which includes a serving control node and at least one drift control node, the serving control node handling connections with user equipment units in a connected mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the at least one drift control node providing radio resources in cells controlled by the at least one drift control node for some of the connections handled by the serving control node (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the method comprising: performing a reset procedure at the serving control node; sending from the serving control node to the at least one drift control node a message resulting from performance of the reset procedure (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the message including an element which collectively indicates that a subset of the connections are to be released the element being

recognizable when included in a further message received over an air interface by a user equipment unit having a connection in the subset whereby the user equipment unit can determine if it is to return to the idle mode; and using the further message so that the user equipment units involved in the subset of the connections can return to an idle mode.

Regarding claim 16, Parmar et. al. discloses a performing at the serving control node plural processes with each of the plural processes handling a respective one of plural subsets of connections with user equipment units in the connected mode; when the reset procedure affects a specific one of the plural processes, including in the message an element corresponding to the respective one of the plural subsets of connections handled by the specific one of the plural processes (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 17, Parmar et. al. discloses a sending, from the at least one drift control node, a response message to the serving control node (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Regarding claim 18, Parmar et. al. discloses a sending from the at least one drift control node the further message to the user equipment unit via a base station controlled by the at least one drift control node (which reads on columns 3 lines 53-67 through column 4 lines 1-55); including in the further message a further element, the further element being derived from the element included in the message (which reads on columns 3 lines 53-67 through column 4 lines 1-55).


Regarding claim 19-23, Parmar et. al. discloses a message transmitted from a node of a radio access network of a telecommunications system to at least one other node of the radio access network, the message resulting from occurrence of a reset procedure affecting a control node which controls connections with user equipment units in a connected mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the message including an element which collectively indicates that a subset of the connections are to be released so that the user equipment units involved in the subset of the connections can return to an idle mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55), the element being recognizable when included in a further message received over an air interface by a user equipment unit having a connection in the subset whereby the user equipment unit can determine if it is to return to the idle mode (which reads on columns 3 lines 53-67 through column 4 lines 1-55).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheila B. Smith whose telephone number is (571)272-7847. The examiner can normally be reached on Monday-Thursday 6:00 am - 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

S. Smith 
December 10, 2007


JOSEPH FEILD
SUPERVISOR, PATENT EXAMINER